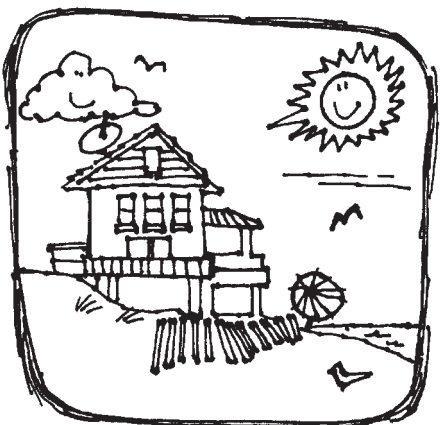
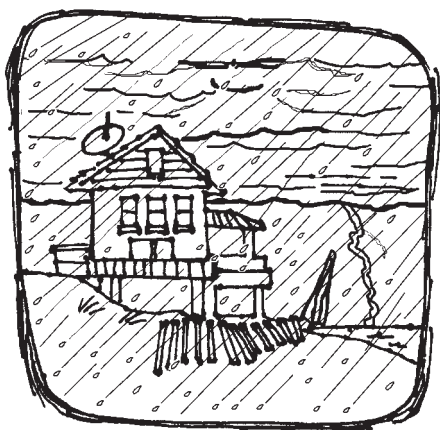


# Climate and Weather: Always Together?



The weather can change very quickly, from rain to sunshine.

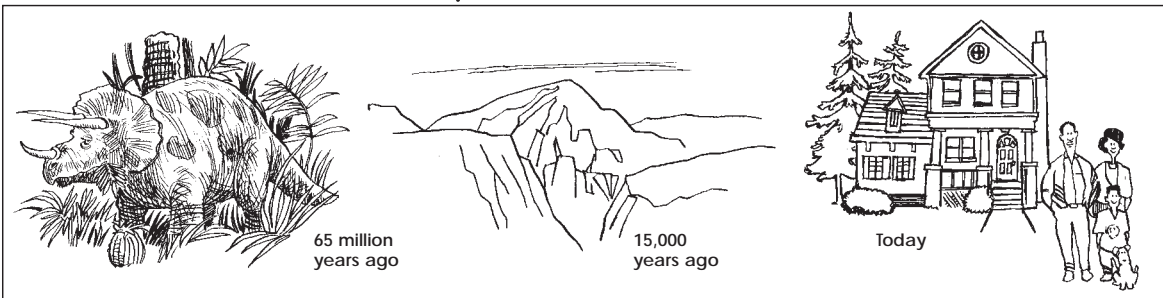
**W**eather is all around us. Weather may be one of the first things you notice after you wake up. Chances are, if it is cold and snowing, you'll wear a jacket when you go outside. If it's hot and sunny, you may wear shorts. Sounds pretty simple, right? But what about climate? How is it different from weather? And what is weather, exactly?

## Weather

The term *weather* describes whatever is happening outdoors in a given place at a given time. Weather is what happens from minute to minute. The weather can change a lot within a very short time. For example, it may rain for an hour and then become sunny and clear. Weather is what we hear about on the television news every night. Weather tells us that tomorrow will be rainy, and the next day will be sunny.

## Climate

Climate tells us what it's *usually* like in the place where you live. San Diego is known as having a mild climate, New Orleans a humid climate, Buffalo a snowy climate, and Seattle a rainy climate. How would you describe the climate where you live?



Climate can change, too, but in the past it has usually taken a very long time to do so.



NOAA/NASA/EPA CLIMATE CHANGE PARTNERSHIP